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April 23, 2007

Mr. Greg Lovato
Project Manager
Nevada Division of Environmental Protection
Bureau of Corrective Actions
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249

23/131753.BC02

**Subject: Final Report on Field Work Observation and Duplicate Sampling for Maryland Square DCI Drycleaner Site in Las Vegas, Nevada
EMAR Task Order #BC-2**

Dear Mr. Lovato:

Brown and Caldwell is pleased to provide this report on field work observation and duplicate sampling for the Maryland Square DCI Drycleaner site (subject site) in Las Vegas, Nevada. This project was conducted under the NDEP Environmental Mitigation, Assessment, and Remediation (EMAR) program. Soil gas assessment at the subject site was conducted by the responsible party and their consultant on March 6, 7, 19 and 20, 2007. Brown and Caldwell and their EMAR subcontractor, SECOR International, Inc. (SECOR), were responsible for observation of field sampling activities, including duplicate sampling.

Scope of Work

The scope of work included the following tasks:

- § Participate in a telephone conference with NDEP and responsible party regarding the field work plan;
- § Develop basic health and safety plan for Brown and Caldwell or SECOR workers in the field;
- § Observe on-site field activities conducted in accordance with the field work plan and provide written documentation of activities to NDEP;
- § Obtain five duplicate field samples of soil gas collected by the responsible party contractor, and transport and submit these samples to a certified laboratory for analysis; and
- § Provide NDEP with a written summary report on field activities and laboratory results, including tabulated data;

Field Work Summary

On March 6, 7, 19 and 20, 2007, Ron Solis from SECOR in Las Vegas observed employees from URS (the responsible party's consultant) conducting soil vapor assessment work at the subject site. In general, the site work consisted of drilling into the subsurface to a certain depth, then advancing a sampling probe further into the subsurface to collect soil gas samples. The following paragraphs describe activities observed during the assessment work. Figure 1 is a site map of the borehole/sampling locations.

March 6, 2007

URS mobilized to Spencer Street (northbound) and Ottawa Drive. Lisa Lowe from URS conducted a Health and Safety tailgate meeting and pointed out ground surface markings for sewer, gas and water lines at each boring location. Eagle Drilling performed the drilling at the first borehole location (SVB-01) located on the northeast corner of Ottawa Drive and Spencer Street. The drill team used a hollow-stem auger to drill to a depth of four feet below ground surface (bgs), and then drove a sampling rod with split-spoon sampler inside the auger to a depth of five feet bgs.

The drillers then poured hydrated bentonite into the borehole to provide a 1-2 foot thick seal on top of the sampling rod. URS and SECOR each obtained a soil vapor sample (SVB-01-05) collected through the sampling rod. Soil gas samples were extracted from the subsurface using disposable single-use syringes, directly into tedlar bags. As a quality assurance procedure, URS placed a paper towel saturated with 1,1-difluoroethane on the ground surface near the sampler and syringe, as a tracer gas to detect any introduction of ambient air into the sample.

Mr. Solis from SECOR also observed subsequent drilling and sampling conducted at boring locations SVB-02, SVB-03, SVB-04, and SVB-05. At SVB-05, Eagle Drilling struck a natural gas pipeline at approximately 1:15 p.m. Emergency personnel were notified and drilling was discontinued. Mr. Solis indicated that no injuries to personnel were observed.

March 7, 2007

Project personnel met at Algonquin Street and Ottawa Drive. Eagle Drilling completed drilling borehole SVB-05, and URS and SECOR personnel each collected a duplicate soil gas sample (SVB-05-13D). Eagle Drilling then drilled borehole SVB-08, and URS and SECOR personnel collected a duplicate sample from this location (SVB-08-10D). Boreholes SVB-05 and SVB-08 were drilled in the same manner as SVB-01, and soil gas samples were collected using the same procedures. A field blank sample was collected at each of sample locations SVB-05 and SVB-07.

March 19 and 20, 2007

Using the same drilling and sampling procedures conducted at previous sampling locations, SECOR and URS personnel collected duplicate soil gas samples from sample locations SVB-14 and SVB-11 on March 19 and March 20, respectively. A field blank sample was collected at each of the two sample locations.

Additional Observations

Mr. Solis observed that, in general, URS personnel followed operating procedures according to the URS field work plan dated January 24, 2007. However, Mr. Solis did not observe any decontamination of the split spoon sampler and sampling rods prior to re-use, as specified in the work plan (Section 3.3.5).

Mr. Solis photographed field activities during the drilling and sampling work. These photographs are provided in this report as Attachment A.

Results

Collected duplicate soil gas samples were transported under chain-of-custody to Alpha Analytical Laboratory in Sparks, Nevada for analysis. The results of the laboratory analyses are presented in Table 1 below. The laboratory analytical reports are provided in Attachment B. Table 1 provides only concentrations of those volatile organic compounds that were detected; concentrations of compounds that were not detected (noted as "ND" in the laboratory analytical reports) are not shown in Table 1.

Table 1. Laboratory Analytical Results for Soil Gas Samples			
Sample Date	Sample I.D.	Volatile Organic Compound	Concentration (mg/m³)
06 March 2007	SVB-01-05D	Tetrachloroethene (PCE)	1.7
07 March 2007	SVB-05-13D	Tetrachloroethene (PCE)	0.95
	SVB-08-10D	Tetrachloroethene (PCE)	6.8
19 March 2007	SVB-14-20D	Tetrachloroethene (PCE)	160
20 March 2007	SVB-11-10D	Benzene	0.19
		Tetrachloroethene (PCE)	0.71

Brown and Caldwell appreciates the opportunity to work with NDEP on this and other EMAR projects. Should you have any questions, please contact Brian Bass at (775) 883-4118.

Very truly yours,

BROWN AND CALDWELL



Brian D. Bass
Senior Engineer



Chuck Zimmerman
Vice President

Attachments

cc: Jim Najima/NDEP
Mary Siders/NDEP
Jeff Collins/SECOR
Jeff Palmer/SECOR



DATE: April 2007

PROJECT NUMBER: 131753

SCALE:

BROWN AND CALDWELL
Carson City, Nevada



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120
Job#: 93OT.05345.00

Attn: Ron Solis
Phone: (702) 798-3911
Fax: (702) 798-3913

Alpha Analytical Number: SEC07030750-01A
Client I.D. Number: SVB-01-05D

Sampled: 03/06/07
Received: 03/07/07
Analyzed: 03/08/07

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	0.40 mg/m ³	36 m,p-Xylene	ND	0.20 mg/m ³
2 Chloromethane	ND	0.80 mg/m ³	37 Bromoform	ND	0.40 mg/m ³
3 Vinyl chloride	ND	0.40 mg/m ³	38 Styrene	ND	0.40 mg/m ³
4 Chloroethane	ND	0.40 mg/m ³	39 o-Xylene	ND	0.20 mg/m ³
5 Bromomethane	ND	0.80 mg/m ³	40 1,1,2,2-Tetrachloroethane	ND	0.40 mg/m ³
6 Trichlorofluoromethane	ND	0.40 mg/m ³	41 1,2,3-Trichloropropane	ND	0.40 mg/m ³
7 1,1-Dichloroethene	ND	0.40 mg/m ³	42 Isopropylbenzene	ND	0.40 mg/m ³
8 Dichloromethane	ND	0.80 mg/m ³	43 Bromobenzene	ND	0.40 mg/m ³
9 trans-1,2-Dichloroethene	ND	0.40 mg/m ³	44 n-Propylbenzene	ND	0.40 mg/m ³
10 Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m ³	45 4-Chlorotoluene	ND	0.40 mg/m ³
11 1,1-Dichloroethane	ND	0.40 mg/m ³	46 2-Chlorotoluene	ND	0.40 mg/m ³
12 cis-1,2-Dichloroethene	ND	0.40 mg/m ³	47 1,3,5-Trimethylbenzene	ND	0.40 mg/m ³
13 Bromochloromethane	ND	0.40 mg/m ³	48 tert-Butylbenzene	ND	0.40 mg/m ³
14 Chloroform	ND	0.40 mg/m ³	49 1,2,4-Trimethylbenzene	ND	0.40 mg/m ³
15 2,2-Dichloropropane	ND	0.40 mg/m ³	50 sec-Butylbenzene	ND	0.40 mg/m ³
16 1,2-Dichloroethane	ND	0.40 mg/m ³	51 1,3-Dichlorobenzene	ND	0.40 mg/m ³
17 1,1,1-Trichloroethane	ND	0.40 mg/m ³	52 1,4-Dichlorobenzene	ND	0.40 mg/m ³
18 1,1-Dichloropropene	ND	0.40 mg/m ³	53 4-Isopropyltoluene	ND	0.40 mg/m ³
19 Carbon tetrachloride	ND	0.40 mg/m ³	54 1,2-Dichlorobenzene	ND	0.40 mg/m ³
20 Benzene	ND	0.20 mg/m ³	55 n-Butylbenzene	ND	0.40 mg/m ³
21 Dibromomethane	ND	0.40 mg/m ³	56 1,2-Dibromo-3-chloropropane (DBCP)	ND	1.2 mg/m ³
22 1,2-Dichloropropane	ND	0.40 mg/m ³	57 1,2,4-Trichlorobenzene	ND	0.80 mg/m ³
23 Trichloroethene	ND	0.40 mg/m ³	58 Naphthalene	ND	0.80 mg/m ³
24 Bromodichloromethane	ND	0.40 mg/m ³	59 Hexachlorobutadiene	ND	0.80 mg/m ³
25 cis-1,3-Dichloropropene	ND	0.40 mg/m ³	60 1,2,3-Trichlorobenzene	ND	0.80 mg/m ³
26 trans-1,3-Dichloropropene	ND	0.40 mg/m ³			
27 1,1,2-Trichloroethane	ND	0.40 mg/m ³			
28 Toluene	ND	0.20 mg/m ³			
29 1,3-Dichloropropane	ND	0.40 mg/m ³			
30 Dibromochloromethane	ND	0.40 mg/m ³			
31 1,2-Dibromoethane (EDB)	ND	0.80 mg/m ³			
32 Tetrachloroethene	1.7	0.40 mg/m ³			
33 1,1,1,2-Tetrachloroethane	ND	0.40 mg/m ³			
34 Chlorobenzene	ND	0.40 mg/m ³			
35 Ethylbenzene	ND	0.20 mg/m ³			

Note: Concentrations of air in a Tedlar Bag are at 21 degrees Celsius and 25.75 inches of mercury.

ND = Not Detected

Roger L. Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

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Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

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Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120
Job#: 930T.05345.00

Attn: Ron Solis
Phone: (702) 798-3911
Fax: (702) 798-3913

Alpha Analytical Number: SEC07030801-01A
Client I.D. Number: SVB-05-13D

Sampled: 03/07/07
Received: 03/08/07
Analyzed: 03/09/07

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	0.30 mg/m ³	36 m,p-Xylene	ND	0.15 mg/m ³
2 Chloromethane	ND	0.60 mg/m ³	37 Bromoform	ND	0.30 mg/m ³
3 Vinyl chloride	ND	0.30 mg/m ³	38 Styrene	ND	0.30 mg/m ³
4 Chloroethane	ND	0.30 mg/m ³	39 o-Xylene	ND	0.15 mg/m ³
5 Bromomethane	ND	0.60 mg/m ³	40 1,1,2,2-Tetrachloroethane	ND	0.30 mg/m ³
6 Trichlorofluoromethane	ND	0.30 mg/m ³	41 1,2,3-Trichloropropane	ND	0.30 mg/m ³
7 1,1-Dichloroethene	ND	0.30 mg/m ³	42 Isopropylbenzene	ND	0.30 mg/m ³
8 Dichloromethane	ND	0.60 mg/m ³	43 Bromobenzene	ND	0.30 mg/m ³
9 trans-1,2-Dichloroethene	ND	0.30 mg/m ³	44 n-Propylbenzene	ND	0.30 mg/m ³
10 Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m ³	45 4-Chlorotoluene	ND	0.30 mg/m ³
11 1,1-Dichloroethane	ND	0.30 mg/m ³	46 2-Chlorotoluene	ND	0.30 mg/m ³
12 cis-1,2-Dichloroethene	ND	0.30 mg/m ³	47 1,3,5-Trimethylbenzene	ND	0.30 mg/m ³
13 Bromochloromethane	ND	0.30 mg/m ³	48 tert-Butylbenzene	ND	0.30 mg/m ³
14 Chloroform	ND	0.30 mg/m ³	49 1,2,4-Trimethylbenzene	ND	0.30 mg/m ³
15 2,2-Dichloropropane	ND	0.30 mg/m ³	50 sec-Butylbenzene	ND	0.30 mg/m ³
16 1,2-Dichloroethane	ND	0.30 mg/m ³	51 1,3-Dichlorobenzene	ND	0.30 mg/m ³
17 1,1,1-Trichloroethane	ND	0.30 mg/m ³	52 1,4-Dichlorobenzene	ND	0.30 mg/m ³
18 1,1-Dichloropropene	ND	0.30 mg/m ³	53 4-Isopropyltoluene	ND	0.30 mg/m ³
19 Carbon tetrachloride	ND	0.30 mg/m ³	54 1,2-Dichlorobenzene	ND	0.30 mg/m ³
20 Benzene	ND	0.15 mg/m ³	55 n-Butylbenzene	ND	0.30 mg/m ³
21 Dibromomethane	ND	0.30 mg/m ³	56 1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90 mg/m ³
22 1,2-Dichloropropane	ND	0.30 mg/m ³	57 1,2,4-Trichlorobenzene	ND	0.60 mg/m ³
23 Trichloroethene	ND	0.30 mg/m ³	58 Naphthalene	ND	0.60 mg/m ³
24 Bromodichloromethane	ND	0.30 mg/m ³	59 Hexachlorobutadiene	ND	0.60 mg/m ³
25 cis-1,3-Dichloropropene	ND	0.30 mg/m ³	60 1,2,3-Trichlorobenzene	ND	0.60 mg/m ³
26 trans-1,3-Dichloropropene	ND	0.30 mg/m ³			
27 1,1,2-Trichloroethane	ND	0.30 mg/m ³			
28 Toluene	ND	0.15 mg/m ³			
29 1,3-Dichloropropane	ND	0.30 mg/m ³			
30 Dibromochloromethane	ND	0.30 mg/m ³			
31 1,2-Dibromoethane (EDB)	ND	0.60 mg/m ³			
32 Tetrachloroethene	0.95	0.30 mg/m ³			
33 1,1,1,2-Tetrachloroethane	ND	0.30 mg/m ³			
34 Chlorobenzene	ND	0.30 mg/m ³			
35 Ethylbenzene	ND	0.15 mg/m ³			

Note: Concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.87 inches of mercury.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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[Signature]

3/14/07

Report Date

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ANALYTICAL REPORT

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120
Job#: 930T.05345.00

Attn: Ron Solis
Phone: (702) 798-3911
Fax: (702) 798-3913

Alpha Analytical Number: SEC07030801-02A
Client I.D. Number: SVB-08-10D

Sampled: 03/07/07
Received: 03/08/07
Analyzed: 03/09/07

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	0.30 mg/m ³	36 m,p-Xylene	ND	0.15 mg/m ³
2 Chloromethane	ND	0.60 mg/m ³	37 Bromoform	ND	0.30 mg/m ³
3 Vinyl chloride	ND	0.30 mg/m ³	38 Styrene	ND	0.30 mg/m ³
4 Chloroethane	ND	0.30 mg/m ³	39 o-Xylene	ND	0.15 mg/m ³
5 Bromomethane	ND	0.60 mg/m ³	40 1,1,2,2-Tetrachloroethane	ND	0.30 mg/m ³
6 Trichlorofluoromethane	ND	0.30 mg/m ³	41 1,2,3-Trichloropropane	ND	0.30 mg/m ³
7 1,1-Dichloroethene	ND	0.30 mg/m ³	42 Isopropylbenzene	ND	0.30 mg/m ³
8 Dichloromethane	ND	0.60 mg/m ³	43 Bromobenzene	ND	0.30 mg/m ³
9 trans-1,2-Dichloroethene	ND	0.30 mg/m ³	44 n-Propylbenzene	ND	0.30 mg/m ³
10 Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m ³	45 4-Chlorotoluene	ND	0.30 mg/m ³
11 1,1-Dichloroethane	ND	0.30 mg/m ³	46 2-Chlorotoluene	ND	0.30 mg/m ³
12 cis-1,2-Dichloroethene	ND	0.30 mg/m ³	47 1,3,5-Trimethylbenzene	ND	0.30 mg/m ³
13 Bromochloromethane	ND	0.30 mg/m ³	48 tert-Butylbenzene	ND	0.30 mg/m ³
14 Chloroform	ND	0.30 mg/m ³	49 1,2,4-Trimethylbenzene	ND	0.30 mg/m ³
15 2,2-Dichloropropane	ND	0.30 mg/m ³	50 sec-Butylbenzene	ND	0.30 mg/m ³
16 1,2-Dichloroethane	ND	0.30 mg/m ³	51 1,3-Dichlorobenzene	ND	0.30 mg/m ³
17 1,1,1-Trichloroethane	ND	0.30 mg/m ³	52 1,4-Dichlorobenzene	ND	0.30 mg/m ³
18 1,1-Dichloropropene	ND	0.30 mg/m ³	53 4-Isopropyltoluene	ND	0.30 mg/m ³
19 Carbon tetrachloride	ND	0.30 mg/m ³	54 1,2-Dichlorobenzene	ND	0.30 mg/m ³
20 Benzene	ND	0.15 mg/m ³	55 n-Butylbenzene	ND	0.30 mg/m ³
21 Dibromomethane	ND	0.30 mg/m ³	56 1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90 mg/m ³
22 1,2-Dichloropropane	ND	0.30 mg/m ³	57 1,2,4-Trichlorobenzene	ND	0.60 mg/m ³
23 Trichloroethene	ND	0.30 mg/m ³	58 Naphthalene	ND	0.60 mg/m ³
24 Bromodichloromethane	ND	0.30 mg/m ³	59 Hexachlorobutadiene	ND	0.60 mg/m ³
25 cis-1,3-Dichloropropene	ND	0.30 mg/m ³	60 1,2,3-Trichlorobenzene	ND	0.60 mg/m ³
26 trans-1,3-Dichloropropene	ND	0.30 mg/m ³			
27 1,1,2-Trichloroethane	ND	0.30 mg/m ³			
28 Toluene	ND	0.15 mg/m ³			
29 1,3-Dichloropropane	ND	0.30 mg/m ³			
30 Dibromochloromethane	ND	0.30 mg/m ³			
31 1,2-Dibromoethane (EDB)	ND	0.60 mg/m ³			
32 Tetrachloroethene	6.8	0.30 mg/m ³			
33 1,1,1,2-Tetrachloroethane	ND	0.30 mg/m ³			
34 Chlorobenzene	ND	0.30 mg/m ³			
35 Ethylbenzene	ND	0.15 mg/m ³			

Note: Concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.87 inches of mercury.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120
Job#: 930T.05345.00

Attn: Ron Solis
Phone: (702) 798-3911
Fax: (702) 798-3913

Alpha Analytical Number: SEC07030801-03A
Client I.D. Number: SVB-07 (Field Blank)

Sampled: 03/07/07
Received: 03/08/07
Analyzed: 03/09/07

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	0.30 mg/m ³	36 m,p-Xylene	ND	0.15 mg/m ³
2 Chloromethane	ND	0.60 mg/m ³	37 Bromoform	ND	0.30 mg/m ³
3 Vinyl chloride	ND	0.30 mg/m ³	38 Styrene	ND	0.30 mg/m ³
4 Chloroethane	ND	0.30 mg/m ³	39 o-Xylene	ND	0.15 mg/m ³
5 Bromomethane	ND	0.60 mg/m ³	40 1,1,2,2-Tetrachloroethane	ND	0.30 mg/m ³
6 Trichlorofluoromethane	ND	0.30 mg/m ³	41 1,2,3-Trichloropropane	ND	0.30 mg/m ³
7 1,1-Dichloroethene	ND	0.30 mg/m ³	42 Isopropylbenzene	ND	0.30 mg/m ³
8 Dichloromethane	ND	0.60 mg/m ³	43 Bromobenzene	ND	0.30 mg/m ³
9 trans-1,2-Dichloroethene	ND	0.30 mg/m ³	44 n-Propylbenzene	ND	0.30 mg/m ³
10 Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m ³	45 4-Chlorotoluene	ND	0.30 mg/m ³
11 1,1-Dichloroethane	ND	0.30 mg/m ³	46 2-Chlorotoluene	ND	0.30 mg/m ³
12 cis-1,2-Dichloroethene	ND	0.30 mg/m ³	47 1,3,5-Trimethylbenzene	ND	0.30 mg/m ³
13 Bromochloromethane	ND	0.30 mg/m ³	48 tert-Butylbenzene	ND	0.30 mg/m ³
14 Chloroform	ND	0.30 mg/m ³	49 1,2,4-Trimethylbenzene	ND	0.30 mg/m ³
15 2,2-Dichloropropane	ND	0.30 mg/m ³	50 sec-Butylbenzene	ND	0.30 mg/m ³
16 1,2-Dichloroethane	ND	0.30 mg/m ³	51 1,3-Dichlorobenzene	ND	0.30 mg/m ³
17 1,1,1-Trichloroethane	ND	0.30 mg/m ³	52 1,4-Dichlorobenzene	ND	0.30 mg/m ³
18 1,1-Dichloropropene	ND	0.30 mg/m ³	53 4-Isopropyltoluene	ND	0.30 mg/m ³
19 Carbon tetrachloride	ND	0.30 mg/m ³	54 1,2-Dichlorobenzene	ND	0.30 mg/m ³
20 Benzene	ND	0.15 mg/m ³	55 n-Butylbenzene	ND	0.30 mg/m ³
21 Dibromomethane	ND	0.30 mg/m ³	56 1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90 mg/m ³
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24 Bromodichloromethane	ND	0.30 mg/m ³	59 Hexachlorobutadiene	ND	0.60 mg/m ³
25 cis-1,3-Dichloropropene	ND	0.30 mg/m ³	60 1,2,3-Trichlorobenzene	ND	0.60 mg/m ³
26 trans-1,3-Dichloropropene	ND	0.30 mg/m ³			
27 1,1,2-Trichloroethane	ND	0.30 mg/m ³			
28 Toluene	ND	0.15 mg/m ³			
29 1,3-Dichloropropane	ND	0.30 mg/m ³			
30 Dibromochloromethane	ND	0.30 mg/m ³			
31 1,2-Dibromoethane (EDB)	ND	0.60 mg/m ³			
32 Tetrachloroethene	ND	0.30 mg/m ³			
33 1,1,1,2-Tetrachloroethane	ND	0.30 mg/m ³			
34 Chlorobenzene	ND	0.30 mg/m ³			
35 Ethylbenzene	ND	0.15 mg/m ³			

Note: Concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.87 inches of mercury.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

JS
3/14/07

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120
Job#: 930T.05345.00

Attn: Ron Solis
Phone: (702) 798-3911
Fax: (702) 798-3913

Alpha Analytical Number: SEC07030801-04A
Client I.D. Number: SVB-05 (Field Blank)

Sampled: 03/07/07
Received: 03/08/07
Analyzed: 03/09/07

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	0.30 mg/m ³	36 m,p-Xylene	ND	0.15 mg/m ³
2 Chloromethane	ND	0.60 mg/m ³	37 Bromoform	ND	0.30 mg/m ³
3 Vinyl chloride	ND	0.30 mg/m ³	38 Styrene	ND	0.30 mg/m ³
4 Chloroethane	ND	0.30 mg/m ³	39 o-Xylene	ND	0.15 mg/m ³
5 Bromomethane	ND	0.60 mg/m ³	40 1,1,2,2-Tetrachloroethane	ND	0.30 mg/m ³
6 Trichlorofluoromethane	ND	0.30 mg/m ³	41 1,2,3-Trichloropropane	ND	0.30 mg/m ³
7 1,1-Dichloroethene	ND	0.30 mg/m ³	42 Isopropylbenzene	ND	0.30 mg/m ³
8 Dichloromethane	ND	0.60 mg/m ³	43 Bromobenzene	ND	0.30 mg/m ³
9 trans-1,2-Dichloroethene	ND	0.30 mg/m ³	44 n-Propylbenzene	ND	0.30 mg/m ³
10 Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m ³	45 4-Chlorotoluene	ND	0.30 mg/m ³
11 1,1-Dichloroethane	ND	0.30 mg/m ³	46 2-Chlorotoluene	ND	0.30 mg/m ³
12 cis-1,2-Dichloroethene	ND	0.30 mg/m ³	47 1,3,5-Trimethylbenzene	ND	0.30 mg/m ³
13 Bromochloromethane	ND	0.30 mg/m ³	48 tert-Butylbenzene	ND	0.30 mg/m ³
14 Chloroform	ND	0.30 mg/m ³	49 1,2,4-Trimethylbenzene	ND	0.30 mg/m ³
15 2,2-Dichloropropane	ND	0.30 mg/m ³	50 sec-Butylbenzene	ND	0.30 mg/m ³
16 1,2-Dichloroethane	ND	0.30 mg/m ³	51 1,3-Dichlorobenzene	ND	0.30 mg/m ³
17 1,1,1-Trichloroethane	ND	0.30 mg/m ³	52 1,4-Dichlorobenzene	ND	0.30 mg/m ³
18 1,1-Dichloropropene	ND	0.30 mg/m ³	53 4-Isopropyltoluene	ND	0.30 mg/m ³
19 Carbon tetrachloride	ND	0.30 mg/m ³	54 1,2-Dichlorobenzene	ND	0.30 mg/m ³
20 Benzene	ND	0.15 mg/m ³	55 n-Butylbenzene	ND	0.30 mg/m ³
21 Dibromomethane	ND	0.30 mg/m ³	56 1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90 mg/m ³
22 1,2-Dichloropropane	ND	0.30 mg/m ³	57 1,2,4-Trichlorobenzene	ND	0.60 mg/m ³
23 Trichloroethene	ND	0.30 mg/m ³	58 Naphthalene	ND	0.60 mg/m ³
24 Bromodichloromethane	ND	0.30 mg/m ³	59 Hexachlorobutadiene	ND	0.60 mg/m ³
25 cis-1,3-Dichloropropene	ND	0.30 mg/m ³	60 1,2,3-Trichlorobenzene	ND	0.60 mg/m ³
26 trans-1,3-Dichloropropene	ND	0.30 mg/m ³			
27 1,1,2-Trichloroethane	ND	0.30 mg/m ³			
28 Toluene	ND	0.15 mg/m ³			
29 1,3-Dichloropropane	ND	0.30 mg/m ³			
30 Dibromochloromethane	ND	0.30 mg/m ³			
31 1,2-Dibromoethane (EDB)	ND	0.60 mg/m ³			
32 Tetrachloroethene	ND	0.30 mg/m ³			
33 1,1,1,2-Tetrachloroethane	ND	0.30 mg/m ³			
34 Chlorobenzene	ND	0.30 mg/m ³			
35 Ethylbenzene	ND	0.15 mg/m ³			

Note: Concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.87 inches of mercury.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

PS

3/14/07

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
13-Mar-07

QC Summary Report

Work Order:
07030801

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **07030908.D**

Batch ID: **MS15A0309A**

Analysis Date: **03/09/2007 10:45**

Sample ID: **MBLK MS15A0309A**

Units : **mg/m³**

Run ID: **MSD_15_070309A**

Prep Date: **03/09/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	0.2								
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Bromochloromethane	ND	0.2								
Chloroform	ND	0.2								
2,2-Dichloropropane	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
1,1-Dichloropropene	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Dibromomethane	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
1,3-Dichloropropane	ND	0.2								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
1,1,1,2-Tetrachloroethane	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
Styrene	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
1,2,3-Trichloropropane	ND	0.2								
Isopropylbenzene	ND	0.2								
Bromobenzene	ND	0.2								
n-Propylbenzene	ND	0.2								
4-Chlorotoluene	ND	0.2								
2-Chlorotoluene	ND	0.2								
1,3,5-Trimethylbenzene	ND	0.2								
tert-Butylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
sec-Butylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
4-Isopropyltoluene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
n-Butylbenzene	ND	0.2								
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.6								
1,2,4-Trichlorobenzene	ND	0.4								
Naphthalene	ND	0.4								
Hexachlorobutadiene	ND	0.4								
1,2,3-Trichlorobenzene	ND	0.4								
Surr: 1,2-Dichloroethane-d4	2.13		2		107	75	128			
Surr: Toluene-d8	2.02		2		101	80	120			
Surr: 4-Bromofluorobenzene	2.08		2		104	80	120			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
13-Mar-07

QC Summary Report

Work Order:
07030801

Laboratory Control Spike

Type **LCS**

Test Code: **EPA Method SW8260B**

File ID: **07030903.D**

Batch ID: **MS15A0309A**

Analysis Date: **03/09/2007 08:43**

Sample ID: **LCS MS15A0309A**

Units : **mg/m³**

Run ID: **MSD_15_070309A**

Prep Date: **03/09/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.27	0.2	10		93	80	120			
Benzene	10.9	0.1	10		109	70	130			
Trichloroethene	9.19	0.2	10		92	70	130			
Toluene	10.1	0.1	10		101	80	120			
Chlorobenzene	9.49	0.2	10		95	70	130			
Ethylbenzene	10.5	0.1	10		105	80	120			
m,p-Xylene	10.9	0.1	10		109	70	130			
o-Xylene	11.2	0.1	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	9.89		10		99	75	128			
Surr: Toluene-d8	9.6		10		96	80	120			
Surr: 4-Bromofluorobenzene	10.5		10		105	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

Secor International Inc.
5755 Sandhill Rd Ste A
Las Vegas, NV 89120

CHAIN-OF-CUSTODY RECORD

AMENDED
NV
Page: 1 of 1

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : SECC07030801**Report Due By : 5:00 PM On : 15-Mar-07****Client:**

Secor International Incorporated
5755 Sandhill Road, Suite A
Las Vegas, NV 89120

Ron Solis
TEL : (702) 798-3911 x 26
FAX : (702) 798-3913
Email rsolis@secor.com

EDD Required : No**Sampled by : Ron Solis****Report Attention :** Ron Solis**Job :** 930T.05345.00**Cooler Temp** 20 °C**Samples Received** 08-Mar-07**Date Printed** 14-Mar-07**CC Report :****PO :****Clients COC # :** 12427**QC Level :** 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles				PWS #	Requested Tests						Sample Remarks
			ORG	SUB	TAT			VOC_A						
SEC07030801-01A	SVB-05-13D	AR 03/07/07 14:35	1	0	5			8260/MTBE						TEDLAR
SEC07030801-02A	SVB-08-10D	AR 03/07/07 10:41	1	0	5			8260/MTBE						TEDLAR
SEC07030801-03A	SVB-07 (Field Blank)	AR 03/07/07 08:37	1	0	5			8260/MTBE						TEDLAR
SEC07030801-04A	SVB-05 (Field Blank)	AR 03/07/07 14:57	1	0	5			8260/MTBE						TEDLAR

Comments: Security seals intact. I.e n/a. Amended 3/14/07 to change Job Name to match previous work orders. L.E.:

Signature	Print Name	Company	Date/Time
<i>Patricia Edrara</i>	Patricia Edrara	Alpha Analytical, Inc.	3/14/07 10:06

Logged in by:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
12-Mar-07

QC Summary Report

Work Order:
07030750

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **07030807.D**

Batch ID: **MS15A0308A**

Analysis Date: **03/08/2007 10:40**

Sample ID: **MBLK MS15A0308A**

Units : **mg/m³**

Run ID: **MSD_15_070308B**

Prep Date: **03/08/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	0.2								
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Bromochloromethane	ND	0.2								
Chloroform	ND	0.2								
2,2-Dichloropropane	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
1,1-Dichloropropene	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Dibromomethane	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
1,3-Dichloropropane	ND	0.2								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
1,1,1,2-Tetrachloroethane	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
Styrene	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
1,2,3-Trichloropropane	ND	0.2								
Isopropylbenzene	ND	0.2								
Bromobenzene	ND	0.2								
n-Propylbenzene	ND	0.2								
4-Chlorotoluene	ND	0.2								
2-Chlorotoluene	ND	0.2								
1,3,5-Trimethylbenzene	ND	0.2								
tert-Butylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
sec-Butylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
4-Isopropyltoluene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
n-Butylbenzene	ND	0.2								
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.6								
1,2,4-Trichlorobenzene	ND	0.4								
Naphthalene	ND	0.4								
Hexachlorobutadiene	ND	0.4								
1,2,3-Trichlorobenzene	ND	0.4								
Surr: 1,2-Dichloroethane-d4	2.17		2		109	75	128			
Surr: Toluene-d8	2.03		2		102	80	120			
Surr: 4-Bromofluorobenzene	2.03		2		102	80	120			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
12-Mar-07

QC Summary Report

Work Order:
07030750

Laboratory Control Spike

Type **LCS**

Test Code: **EPA Method SW8260B**

File ID: **07030803.D**

Batch ID: **MS15A0308A**

Analysis Date: **03/08/2007 09:01**

Sample ID: **LCS MS15A0308A**

Units : **mg/m³**

Run ID: **MSD_15_070308B**

Prep Date: **03/08/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.57	0.2	10		96	80	120			
Benzene	11	0.1	10		110	70	130			
Trichloroethene	9.43	0.2	10		94	70	130			
Toluene	10.1	0.1	10		101	80	120			
Chlorobenzene	9.67	0.2	10		97	70	130			
Ethylbenzene	10.7	0.1	10		107	80	120			
m,p-Xylene	11	0.1	10		110	70	130			
o-Xylene	11.5	0.1	10		115	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	75	128			
Surr: Toluene-d8	9.47		10		95	80	120			
Surr: 4-Bromofluorobenzene	10.3		10		103	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

Secor International Inc.
5755 Sandhill Rd Ste A
Las Vegas, NV 89120

Client:

Secor International Incorporated
5755 Sandhill Road, Suite A

Las Vegas, NV 89120

Report Attention : Ron Solis
CC Report :

QC Level : 1 = Final Rpt Only

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

Ron Solis

TEL : (702) 798-3911 x 26
FAX : (702) 798-3913
Email ssolis@secor.com

NV

Page: 1 of 1

WorkOrder : SEC07030750

Report Due By : 5:00 PM On : 14-Mar-07

EDD Required : No

Sampled by : Ron Solis

Cooler Temp m/a °C Samples Received 07-Mar-07 Date Printed 07-Mar-07

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles	ORG	SUB	TAT	PWS #	Requested Tests					Sample Remarks
								VOC_A					
SEC07030750-01A	SVB-01-05D	AR 03/06/07 09:10	1	0	5			8260/MTBE					Tedlar

Comments:

Security seals intact. Ice n/a. :

Logged in by:

Signature

Print Name

Company

Date/Time

Alpha Analytical, Inc.

3/7/07 832

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : Aq(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

